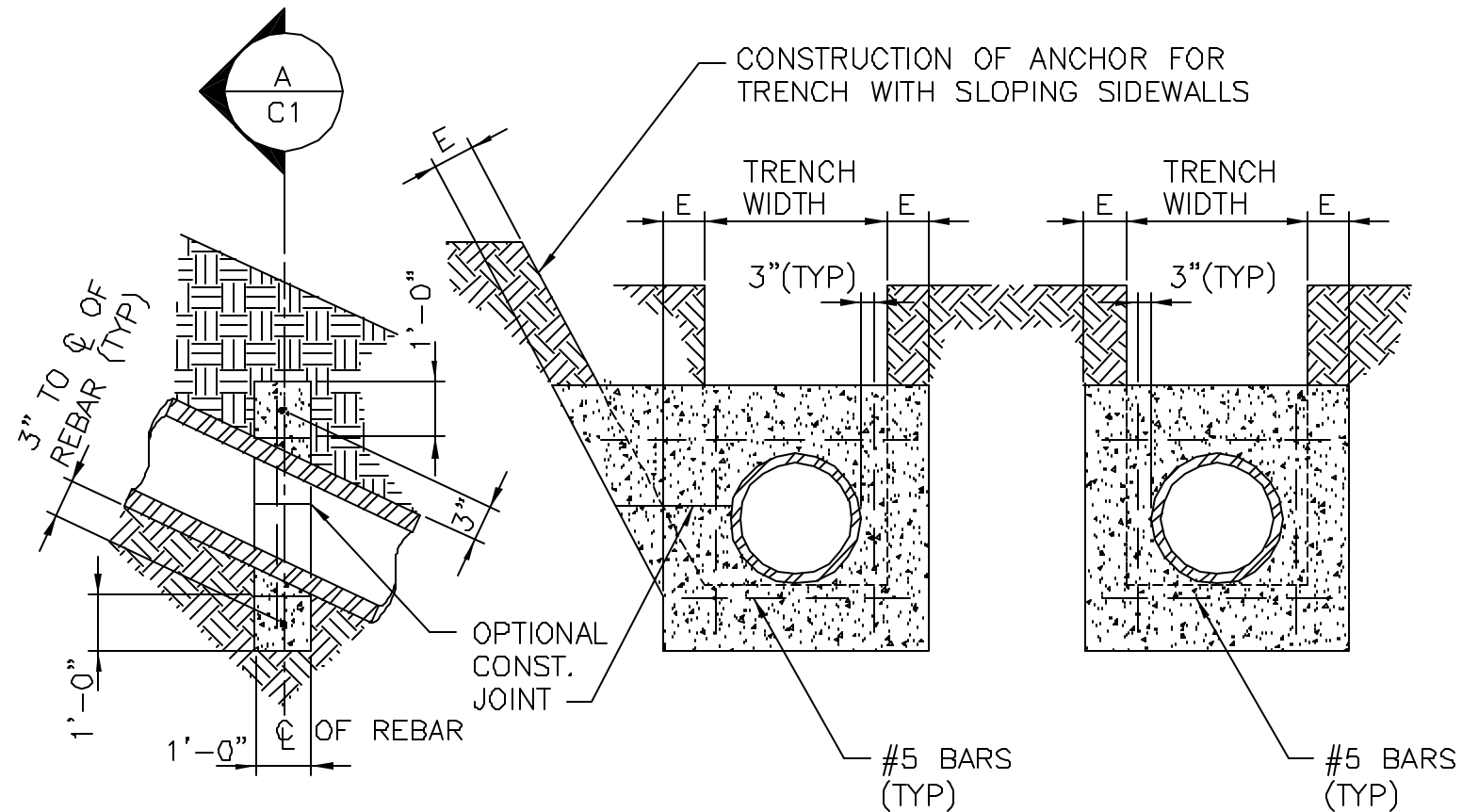
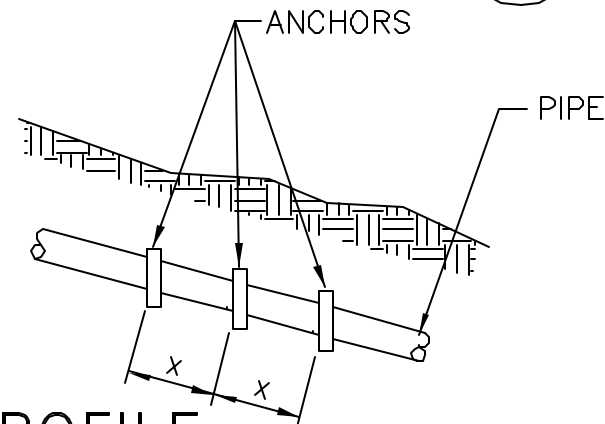
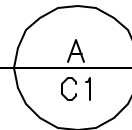


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## SECTION

SCALE: NONE



## PROFILE

SCALE: NONE

## SLOPING PIPE ANCHOR DETAIL

SCALE: NONE

### NOTES FOR DESIGNER: (DO NOT INCLUDE ON CONSTRUCTION DRAWINGS)



1. WHEN EDITING DETAIL TO SUIT PROJECT, ADD JOB SPECIFIC REQUIREMENTS AND DETLETE ONLY THOSE PORTIONS THAT DO NOT APPLY. TO SEEK A VARIANCE FROM APPLICABLE REQUIREMENTS, CONTACT THE LEM CIVIL POC.

### GENERAL NOTES:

1. PIPE ANCHORS REQUIRED ON ALL SLOPES OF 3:1 AND STEEPER.
2. MINIMUM 3" COVER FOR ALL REINFORCING
3. "E"=8 INCHES UNLESS OTHERWISE NOTED.
4. CONCRETE  $f'_c$ =3000 PSI (MINIMUM).
5. POUR CONCRETE AGAINST UNDISTURBED EARTH, EXCEPT WHERE FORMED; IF FORMS CREATE VOID, BACKFILL TO 90% MAX. DENSITY
6. BACKFILL TRENCH TO 90% MAX. DENSITY TO PREVENT TRENCH EROSION.

PIPE SLOPE	"X" DISTANCE BETWEEN ANCHORS
1:1 TO 1.5:1	12'
1.5: TO 2:1	14'
2:1 TO 2.5:1	16'
2.5:1 TO 3:1	18'
3:1	20'

DRAWING DEVELOPED FOR ML-3 PROJECTS. FOR ML-1/ML-2, ADDITIONAL REQUIREMENTS AND QA REVIEWS ARE REQUIRED. (REMOVE THIS NOTE WHEN INSERTED INTO A DRAWING PACK-AGE).

1	B-23-02	U	GENERAL REVISION AND DWG. NO. WAS ST3684.	RF	EH	MS	EH	TO
NO	DATE	CLASS REV	DESCRIPTION	OWN	VER	CHKD	SUB	APP
 FACILITY & WASTE OPERATIONS SYSTEMS ENGINEERING & MAINTENANCE								
LANL ENGINEERING MANUAL				DRAWN	R.PEARSON			
SLOPING PIPE ANCHOR DETAIL				DESIGN	E.HOTH			
				CHECKED	M.SMITHDUR			
BLDG. X				TA-X	DATE 0-28-99			
SUBMITTED				APPROVED FOR RELEASE				
DISCIPLINE POC: E. HOTH				STANDARDS MANAGER: TOBIN GRUCH				
 Los Alamos National Laboratory				PO Box 1663 Los Alamos, New Mexico 87545				
CLASSIFICATION U				REVIEWER LARRY BAYS	DATE			
PROJECT ID				DRAWING NO		REV		
CHAPTER 3				ST-G3010-5		1		